

DECLARATION AND POWER OF ATTORNEY

WE, PETER A. ROSENTHAL, JIAZHAN XU, SYLVIE CHARPENAY, and JOSEPH E. COSGROVE, hereby declare that we are citizens of the United States of America and residents, respectively, of West Simsbury, Vernon, Vernon, and Columbia, Connecticut, and that our respective Post Office Addresses are set forth adjacent our names below; and we declare that we believe we are the original and first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

THERMAL IMAGING FOR
SEMICONDUCTOR PROCESS MONITORING

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to herein.

We acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

09199677-112598

imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

We hereby appoint IRA S. DORMAN, Registration No. 24,469, whose Post Office Address is 330 Roberts Street, Suite 200, East Hartford, Connecticut 06108, our attorney to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. Please address all correspondence to Ira S. Dorman at the aforesaid address, and direct all telephone calls to him at Area Code 860, Telephone No. 528-0772.

Date

PETER A. ROSENTHAL
Residence Address:
10 Farmstead Lane
West Simsbury, CT 06092

Date

JIAZHAN XU
Residence Address:
130 Vernon Ave. #4W
Vernon, CT 06066

Date

SYLVIE CHARPENAY
Residence Address:
631 Talcottville Rd.
Apt. P29
Vernon, CT 06066

Date

JOSEPH E. COSGROVE
Residence Address:
183 Pine Street
Columbia, CT 06273

094967-1299

CERTIFICATE OF EXPRESS MAILING

"Express Mail" mailing label number EL163255923US

Date of Deposit: November 25, 1998

I hereby certify that the attached copy of the Specification (19 pgs.), Claims (4 pgs.), Abstract (1 pg.), unsigned Declaration and Power of Attorney (2 pgs.), and two sheets of drawings, constituting an application for THERMAL IMAGING FOR SEMICONDUCTOR PROCESS MONITORING invented by PETER A. ROSENTHAL, JIAZHAN XU, SYLVIE CHARPENAY and JOSEPH E. COSGROVE, are being deposited, together with check No. 4503 (\$389) and a Declaration Claiming Small Entity Status, with the United States Postal Service, "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above, addressed to Box PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Cynthia M. Vaillancourt
Cynthia M. Vaillancourt

09199877-112598
265217-2266160

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PETER A. ROSENTHAL ET AL.

Serial No.

Filed:

THERMAL IMAGING FOR
SEMICONDUCTOR PROCESS MONITORING

Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

VERIFIED DECLARATION CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(c) BY A SMALL BUSINESS CONCERN

I hereby declare that I am an official of the small
business concern empowered to act on behalf of the concern:

ON-LINE TECHNOLOGIES, INC.
87 Church Street
East Hartford, Connecticut 06108

I hereby declare that the above-identified small business
concern qualifies as a small business concern as defined in
13 CFR 121.12 and reproduced in 37 CFR 1.9(d), for purposes of
paying reduced fees under section 41(a) and (b) of Title 35,
United States Code, in that the number of employees of the
concern, including those of its affiliates, does not exceed
500 persons. For purposes of this statement, (1) the number of
employees of the business concern is the average over the
previous fiscal year of the concern of the person employed on a
full-time, part-time or temporary basis during each of the pay

09199677 13598
265277 22966760

periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled THERMAL IMAGING FOR SEMICONDUCTOR PROCESS MONITORING by inventors, PETER A. ROSENTHAL, JIAZHAN XU, SYLVIE CHARPENAY, and JOSEPH E. COSGROVE, described in the application identified above.

No rights held by the above-identified small business concern have been assigned, granted, conveyed or licensed nor is there any obligation under contract or law to assign, grant, convey or license any rights in the invention.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

ON-LINE TECHNOLOGIES, INC.

11/25/98

By Peter Rosenthal
PETER A. ROSENTHAL
Vice President

091997-1268